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FORCE PROTECTION (FP):

TODAY'S REALITY,

A METHOD FOR REDUCING RISK

COL RON TORGERSON, USAF (RET.), PE,
FELLOW SAME

WAR: "A SERIOUS MEANS TO A SERIOUS END," CLAUSEWITZ

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OVERVIEW

- **THREAT**
- **WHAT IS FORCE PROTECTION**
- **RESPONSIBILITIES**
- **THREAT ASSESSMENT**
- **DEFEAT STRATEGY: SUN TZU**
- **WHAT IS A VULNERABILITY ASSESSMENT**
- **FORCE PROTECTION STRATEGIES**
- **DOD CONSTRUCTION STANDARDS**
- **WHAT'S IMPORTANT & MITIGATION**
- **RISK MANAGEMENT & REDUCTION**
- **SUMMARY**

THREAT

- **THE US IS AT WAR: COUNTER & ANTITERRORISM**
- **WTC (FIRST ATTACK), KOHBAR TOWERS, USS COLE ATTACK**
- **EVENTS OF 9/11**
- **SUBSEQUENT ANTHRAX ATTACKS**
- **NEXT ATTACK, WHEN???**
- **CHAIRMAN, JOINT CHIEFS OF STAFF:**
  - **ONLY CHANCE TO IMPOSE WILL ON US IS THROUGH SOMETHING OTHER THAN CONVENTIONAL MEANS**
  - **TERRORISM HIGH ON MENU OF OPTIONS; EFFECTIVE**
- **UNPREDICTABLE AND WILL CHANGE OVER TI**

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THREAT IS REAL

WANTED

UP TO $25M REWARD

"To defeat your enemy, you first Must know him," Sun Tzu

"…we will kill 4 million Americans, including 1 million children…"
Osama bin Laden

Diplomatic Security Service

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THREAT—KNOW YOUR ENEMY

- **GOAL: DESTROY SECULAR WESTERN CULTURE**
- **REPLACE SECULAR GOVTS WITH ISLAMIC GOVT**
  - **SALAFIS—PERFECT MUSLIM FORM OF LIFE 1300 YEARS AGO**
  - **SADDAM HUSSEIN ALSO SECULAR: MONGOL AGGRESSORS/BAGHDAD**
  - **PRESIDENT ASSAD'S OFFICE: CRUSADERS/MOORS**
- **bin LADEN: AMERICANS ARE CRUSADERS**
  - **KILLING AMERICANS IS DUTY OF EVERY MUSLIM**
  - **BLAMES AMERICA AND ISRAEL FOR ALL ILLS IN MIDDLE EAST**
  - **WTC I&II ARE JUST THE START**
  - **MARTYRS: SINS ARE ERASED AND GO TO HEAVEN; FAMILY PENSION**
- **1919 BELFOUR DOCUMENT: DIVIDED OTTOMAN**
- **MANCHESTER DOCUMENT: www.usdoj.gov**
  - **BLUEPRINT AND MANUAL FOR al QAEDA: A MUST READ!!!**

THREAT—MANCHESTER DOCUMENT

- **OVERTHROW GODLESS REGIMES: ISLAMIC REGIME**
  - **INTELLIGENCE GATHERING**
  - **KIDNAPPING ENEMY PERSONNEL, DOCUMENTS, & ARMS**
  - **ASSASSINATING ENEMY PERSONNEL AS WELL AS TOURISTS**
  - **FREEING CAPTURED BROTHERS**
  - **SPREADING RUMORS TO INSTIGATE PEOPLE**
  - **BLAST AND DESTROY EMBASSIES AND VITAL ECONOMIC CENTERS**
  - **BLAST PLACES OF AMUSEMENT, IMMORALITY & SIN—NOT VITAL TARGET**
  - **BLASTING AND DESTROYING BRIDGES LEADING IN AND OUT OF CITIES**

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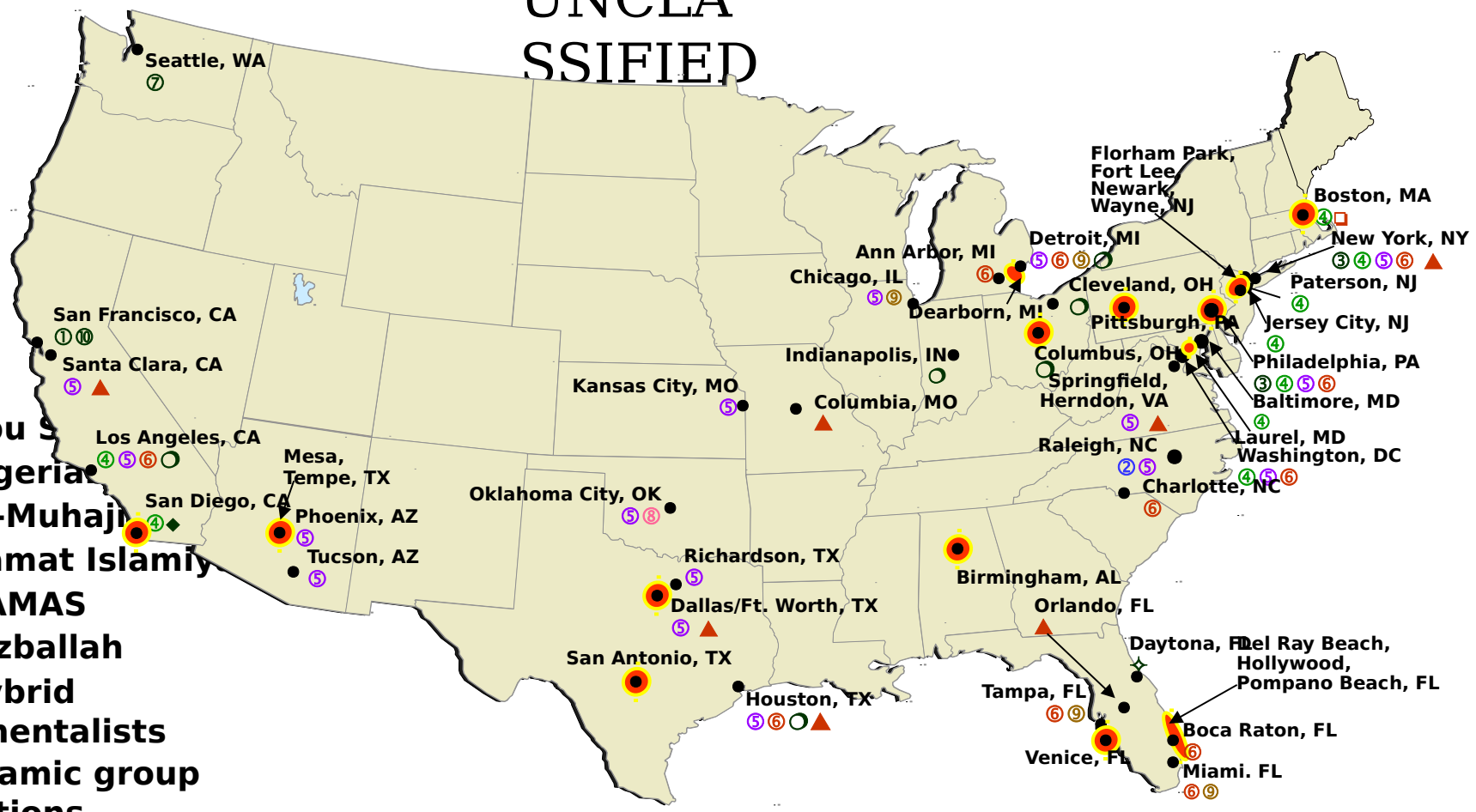

① Abu S
② Algeria
③ Al-Muhaji
④ Gamat Islamiy
⑤ HAMAS
⑥ Hizballah
⑦ Hybrid Fundamentalists
⑧ Islamic group conventions
⑨ Islamic Jihad
⑩ Islamic Liberation Party
❍ Muslim Brotherhood
❑ National Islamic Front

✦ New Fundamentalist Group
▲ Usama bin Ladin
◆ The American Islamic Group

● Areas associated with WTC/Pentagon Attackers
● Locations Associated with Islamic Militant Groups

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SWORD OF MUHAMMAD

- **MUST READ**
  - **SWORD OF THE PROPHET, SERGE TRIFKOVIC**

- **"…the sword of Muhammad and the Qur'an are the most fatal enemies of civilization (Western), liberty, and truth which the world has yet known…hatred of non-Muslims is pivot of Islamic existence…." William Muir (Orientalist)**
- **"…most virulent form of Muslim extremism owes its growth to shortsighted US foreign policy…" USAMEB James Bissett, 2002**
- **"In Islam there is no separation of church and state…way of life…total surrender to Allah…" USAMEB Bissett, 2002**

- **DO YOU KNOW WHERE THE PEOPLE WHO WISH YOU HARM TO YOUR UTILITY SYSTEMS ARE?**

DEFEAT STRATEGY: SUN TZU'S VICTORY

- **AVOID THE BATTLE**
- **ENGAGE ENEMY EARLY AND EFFECTIVELY– DESTROY HIS MEANS OF WAR**

IF YOU MUST DO BATTLE SUN TZU SAYS:

- **“WAR IS A MATTER OF VITAL IMPORTANCE TO THE STATE…”**
- **“THEREFORE, APPRAISE IT IN TERMS OF THE FIVE FUNDAMENTAL FACTORS…”**
  - **MORAL INFLUENCE**
  - **WEATHER**
  - **TERRAIN**
  - **COMMAND**
  - **DOCTRINE**

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SUN TZU SAYS:

- "Moral Influence (Moral Law)…**that which causes the people to be in harmony with their leaders so they will accompany them in life and unto death without fear of mortal peril"**
- "Weather…**interaction of natural forces, the effects of winter's cold and summer's heat and the conduct of military operations in accordance with the seasons"**

SUN TZU SAYS:

- "Terrain…**distances, whether the ground is traversed with ease or difficulty, whether it is open or constricted, and the chances of life or death."**
- "Command…**the general's qualities of wisdom, sincerity, humanity, courage, and strictness"**
- "Doctrine…**organization, control, assignment of appropriate ranks to officers, regulation of supply routes, and the provision of principal items used by the army"**

SUN TZU SAYS:

- "Know your enemy and know yourself; in a hundred battles you will never be in peril."
  - **"If ignorant both of your enemy and of yourself you are certain in every battle to be in peril."**

WHAT IS FORCE PROTECTION?

- **SECURITY PROGRAM**
- **PROTECT PERSONNEL, FAMILIES, EQUIPMENT**
- **ALL LOCATIONS & SITUATIONS**
- **PLANNED, INTEGRATED APPLICATIONS FOR COMBATING TERRORISM**
- **INCLUDES**
  - **PHYSICAL SECURITY**
  - **OPERATIONAL SECURITY**
  - **PERSONAL PROTECTIVE SERVICES**
  - **SUPPORTED BY INTELLIGENCE, COUNTERINTELLIGENCE & OTHER SECURITY PROGRAMS**
- **GOAL: MINIMIZE LOSS OF LIFE AND OTHER CRITICAL ASSETS**
- **NUMBER ONE PRIORITY IS KEEPING ASSETS SAFE**
- **REGARDLESS OF MEASURES IMPLEMENTED, RISK PRESENT**

RESPONSIBILITIES

- **FORCE PROTECTION IS SENIOR LEADERSHIP'S OR COMMANDER'S RESPONSIBILITY**
  - **PLANNING**
  - **PROGRAMMING**
  - **EXECUTION**
- **RESULTANT ACTIONS TAKEN CONSISTENT WITH SENIOR LEADERSHIP'S OR COMMANDER'S DECISIONS**
- **FORCE PROTECTION MUST BE ESSENTIAL PART OF PLANNING AND DESIGN PROCESS**

THREAT ASSESSMENT (TA)

- **ONE OF FIRST STEPS IN AT/FP PROGRAM**
- **ONCE UNDERSTAND THREAT**
  - **ASSESS FACILITIES ABILITY TO SURVIVE ATTACK**
- **TA DEFINES PARAMETERS UPON WHICH PROTECTIVE SYSTEMS ARE BASED**
- **INTELLIGENCE GATHERING**
- **THREAT IDENTIFICATION**
  - **AGGRESSORS**
  - **TOOLS, WEAPONS, AND EXPLOSIVES**
  - **TACTICS**
- **THREAT DEFINITION: EXISTENCE, CAPABILITY, HISTORY, INTENTIONS, TARGETING, & SECURITY ENVIRONMENT**
- **THREAT LEVEL**

VULNERABILITY ASSESSMENT

- **ADDRESSES SUSCEPTIBILITY TO ATTACK AND RANGE OF PHYSICAL THREATS**
- **DRIVES ANTITERRORISM (AT) [DEFENSIVE] MEASURES**
- **BOMBING AT KHOBAR TOWERS & USS COLE DROVE**
- **ASSISTS COMMANDERS**
- **IDENTIFY WEAKNESSES AND RECOMMEND FIXES TO DETER ATTACKERS**
- **PROTECTS THE FORCE: PEOPLE & PRIORITY RESOURCES**
- **DODI 2000.16: DTRA, JSIVA, MAJCOM VA, USAF VA**
- **DOD O-2000.12-H: PROTECTION OF OF DOD PERSONNEL AND ACTIVITIES AGAINST ACTS OF TERRORISM AND POLITICAL TURBULENCE**
- **AFI 31-210: AF ANTITERRORISM PROGRAM**

FORCE PROTECTION STRATEGIES

- **DOD ANTI-TERRORISM CONSTRUCTION STANDARDS**
  - **MODIFICATIONS AT MAJOR RENOVATION**
  - **STANDOFF DISTANCES, GLASS, CMU'S, LANDSCAPING**
  - **AT/FP OFFICER SIGN DD FM 1391 CERTIFICATE→STANDARDS MET**
- **PLANNING OR PROGRAMMING ACTIONS**
  - **CONSTRUCTION PROJECTS**
- **CHANGE: LAND USE, TRAFFIC FLOW, ENTRY CONTROL, & FACILITY IMPROVEMENTS???**
- **SCENARIOS UNDERGO SUITABILITY ANALYSIS**
- **LIMFACS: $, PHYSICAL & POLITICAL FACTORS**
- **THEN PICK PREFERRED FP MEASURES**

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DOD CONSTRUCTION STANDARDS

- **JCS DOCUMENT**
- **STANDOFF & DEFENSE IN DEPTH**
- **DOD ANTI-TERRORISM CONSTRUCTION STANDARDS**
- **REQUIRED FOR NEW CONSTRUCTION**
- **REQUIRES ANTI-TERRORISM OFFICER AT EACH INSTALLATION**
- **STANDARDS MANDATORY**
- **LINKS FUNDING ON DD FM 1391 WITH INSTALLATION CERTIFICATE OF COMPLIANCE**
- **IMPLEMENTATION**
  - **COMPREHENSIVE PLANNING: FP CONSIDERATIONS--PLANNING**
  - **FACILITY SITE DESIGN: ENHANCE FP**
  - **BUILDING SYSTEMS DESIGN: REDUCE VULNERABILITY**

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WHAT'S IMPORTANT

- **CRITICAL FACILITIES**
- **GLASS, <15% GLAZED, LAMINATED, FRF**
- **FACILITY (INGRESS/EGRESS) & PARKING STANDOFF**
- **GATES**
- **PERIMETER**
- **DELIVERIES**
- **FOOD & WATER SUPPLY**
- **LINEN EXCHANGE**
- **NON DESCRIPT SIGNAGE**
- **HARDENING UTILITIES & DISTRIBUTION SYST**
- **COMMUNICATIONS & IS DECENTRALIZATION**
- **STANDOFF=YOUR BEST FRIEND**
- **GIANT VOICE**

MITIGATION

- **GLASS: SINGLE PANED, ANNEALED**
  - **HOW MUCH?**
  - **FRF?**
  - **LAMINATED?**
- **BARRIERS**
  - **JERSEY, f(FPCON)**
  - **LANDSCAPING**
  - **TRAFFIC FLOW**
- **STANDOFF: CUMULATIVE EFFECTS**
- **PERIMETER: SECURE OR POROUS? ECP'S?**
- **GOAL: INHIBIT VISITORS AND PROHIBIT VEHICLES**

GATES: THREAT

- **15,000 POUND TRUCK**
- **50 MPH**
- **LOADED WITH EXPLOSIVES**

GATES: CONCEPT OF OPERATIONS

- **GATE #1**
  - **VISITOR CONTROL CENTER(VCC) FOR VISITORS**
  - **CARS WITH DECALS OR ID CARD HOLDERS**
  - **TRUCKS SCREENED AT ALL THREATCON LEVELS**
- **INSPECTION PIT**
  - **ALL DELIVERY VEHICLES SCREENED ALWAYS**
- **GATE #2: ID CARD HOLDERS AND CARS WITH DOD DECALS**
  - **NO VISITORS ALLOWED & NO VCC**
  - **NO TRUCKS ALLOWED OR SCREENING**
- **EXTENSIVE FORMAL TRAINING PROGRAM FOR CONTROLLERS: WRITTEN & COORDINATED**

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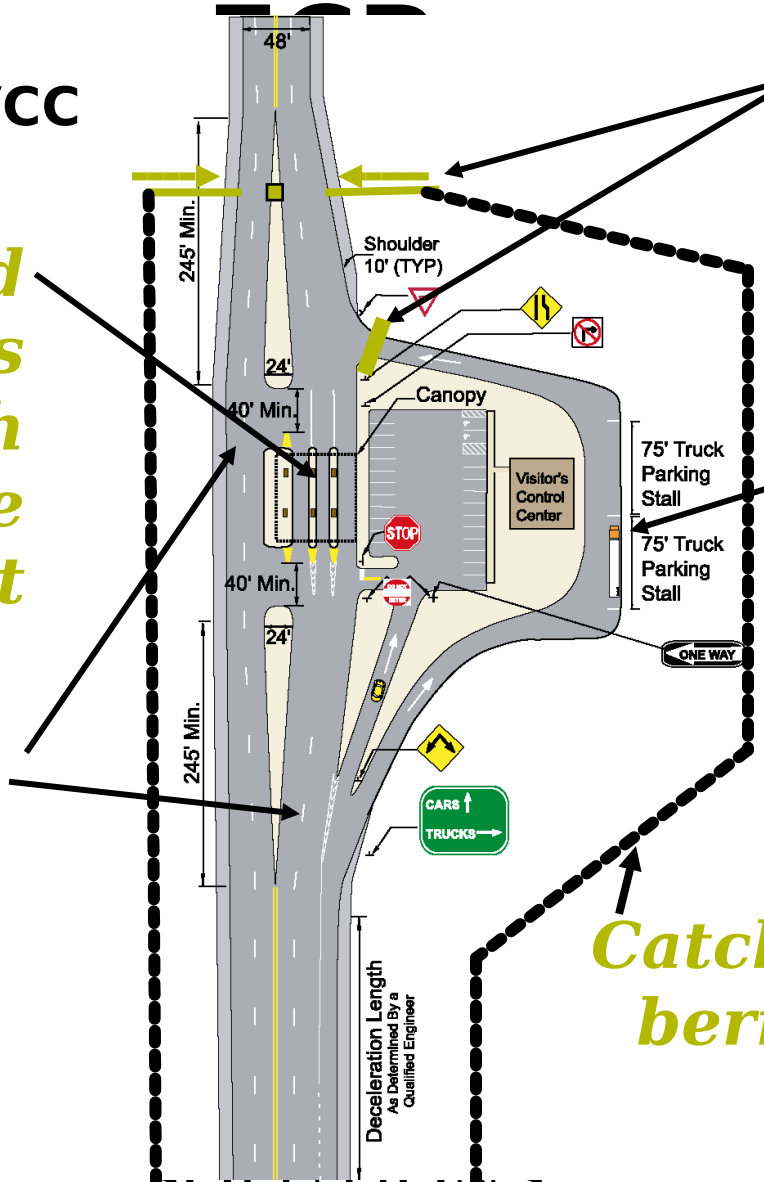
Properly Designed ECP

*Gate #2 has no VCC or truck screening area

Elevated island protects guards with canopy & some heat

Remotely operated bollards (serpentine)



Remotely operated barriers-- all lanes

Large vehicle screening area with 4 stalls

Catchment area berms

MTMC Traffic Eng Bulletin, Aug 01, with

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GATES: REMOTELY OPERATED BARRIERS

- **STOPS 15,000# TRUCK, 70 MPH**
- **STOPS 20,000# TRUCK, 62 MPH**
- **REMAIN OPERATIONAL AFTER ENGAGEMENT**
- **RAISE/LOWER IN 3 SECONDS**
- **FRONT FACE WARNING LIGHTS**
- **9 FT LONG**
- **CROSS ALL INGRESS/EGRESS LANES, FROM LARGE VEHICLE SCREENING AREA**
- **MATCH ARCHITECTURAL FABRIC OF BASE**
- **UP END FACES TRAFFIC**

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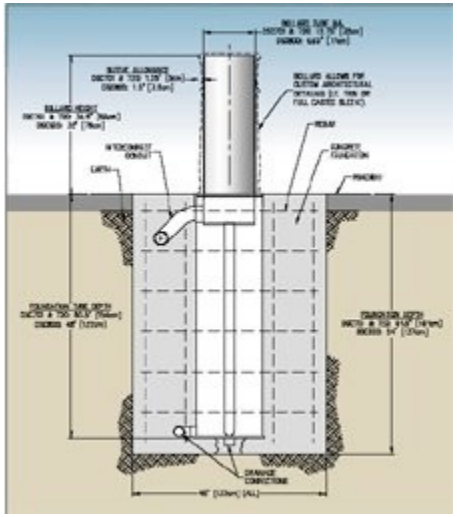
GATES: REMOTELY OPERATED BOLLARDS



- **STOPS 15,000# TRUCK, 50 MPH**
- **RAISE/LOWER IN 3 SECONDS**
- **35 INCHES HIGH SPACED 3 FT ON CENTER**
- **MATCH ARCHITECTURAL FABRIC OF AFA**
- **~ SAME POSITIONS AS JERSEY BARRIERS**
- **REPLACE JERSEY BARRIERS AT BOTH GATE**

RISK MANAGEMENT & MITIGATION

- **LIMITED RESOURCES**
- **WHAT'S IMPORTANT TO INSTALLATION COMMANDERS & SENIOR LEADERSHIP?**
- **PRIORITIZE & COORDINATE WITH STAKEHOLDERS**
- **CAN ONLY COVER ALL THREATS IF HAVE UNLIMITED RESOURCES**
- **HAVE TO ACCEPT SOME LEVEL OF PREDETERMINED RISK**

SUMMARY

- **US IS VULNERABLE TO TERRORIST ATTACK**
- **AMERICANS HAVE SHORT MEMORIES**
- **SECOND ATTACK WHEN IT COMES WILL HEIGHTEN INTEREST IN AT/FP**
- **INCUMBENT ON ALL OF US TO EXERCISE FP**
- **APPROACH THREAT LOGICALLY THROUGH THE DESCRIBED PROCESS**
- **MANAGE RISK**

"...NO GOVERNMENTAL RESPONSIBILITY IS MORE FUNDAMENTAL THAN PROTECTING THE PHYSICAL SAFETY OF OUR NATION AND OUR CITIZENS"
PRESIDENT G.W. BUSH, 8 MAY 01

An Eagle should dress for the occasion
Now I'm finally Ready!
My War Paint seems to be just right!